PTO/SB/08A (08-03)

Approved for use through 07/31/2006, CMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

for the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

AUS 1 6 2004

& TRADEN

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number 09/440,557

Filing Date November 15, 1999

First Named Inventor Randolph B. Lipscher

Art Unit 3626

Examiner Name Robert W. Morgan

Attorney Docket Number 1039-0010

				T DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (I Incurt)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
RWM	Α	US- 4,839,822 A	06-13-1989	Dormond et al.	
	В	US- 4,916,611	04-10-1990	Doyle, Jr. et al.	
	С	US- 5,018,067	05-21-1991	Mohlenbrock et al.	
	D	^{US-} 5,065,315	11-12-1991	Garcia	
	Ε	US- 5,070,452	12-03-1991	Doyle, Jr. et al.	
	F	US- 5,072,383	12-10-1991	Brimm et al.	
	G	US- 5,077,666	12-31-1991	Brimm et al.	
	Н	US- 5,101,476	03-31-1992	Kukla	
	1	US- 5,301,105	04-05-1994	Cummings, Jr.	
	J	US- 5,319,543	06-07-1994	Wilhelm	
	K	US- 5,347,453	09-13-1994	Maestre	
	L	US- 5,347,477	09-13-1994	Lee	
	М	US- 5,361,202	11-01-1994	Doue	
	N	US- 5,366,896	11-22-1994	Margrey et al.	
	0	US- 5,390,238	02-14-1995	Kirk et al.	
	Р	US- 5,528,021	06-18-1996	Lassus et al.	
	Q	US- 5,594,638	01-14-1997	Hiff	
	R	US- 5,660,176	08-26-1997	Hiff	
RWM	S	US-5,722,418	03-03-1998	Bro	

		FORE	IGN PATENT DOC	UMENTS		
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	Γ
		Country Code ³ Number ⁴ "Kind Code ³ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T°
BWM	П	WO 2001/133378 A	05-10-2001	Levy		
RWM	UU	WO 2001/35376 A1	05-17-2001	Lipscher et al.		
	W					Г
	ww					Т
	XX					Г
	YY					Т

Examiner Signature	Robert	Morgan	Date Considered	9/4/04
ACVALUMED.	. Initial if and an arrange			1 - 1/-1/-1

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Cort USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard STJ Japanese patent documents, the indication of the year of the Emperor must precede the sental number of the patent document. Kind of documents the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English Translation is attached.

This collection of Information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or retain a benefit by the public which is to retain a benefit by the public which is to retain a benefit by the public which is to retain a polication. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hr. including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual car on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESTO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select opti

PTO/SB/08A (08-03) Approved for use through 07/31/2006, OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Substitute for form 1449/PTO

Sheet 2

(Use as many sheets as necessary)

of 4

Complete if Known

Application Number 09/440,557

Filing Date November 15, 1999

First Named Inventor Randolph B. Lipscher

Art Unit 3626

Examiner Name Robert W. Morgan

Attorney Docket Number 1039-0010

			II C DATEN	TOCCUMENTO	
Examiner Initials*	Cite No.1	Document Number	Publication Date	T DOCUMENTS Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where
		Number-Kind Code ^{2 (F tracery)}	MIN-05-1711	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
RWM	AA	^{US-} 5,737,539	04-07-1998	Edelson et al.	
	BB	^{US-} 5,748,907	05-05-1998	Crane	
l	CC	US- 5,769,074	06-23-1998	Barnhill et al.	
	DD	US- 5,772,585	06-30-1998	Lavin et al.	
	EE	^{US-} 5,778,882	07-14-1998	Raymond et al.	
	FF	US- 5,845,255	12-01-1998	Mayaud	
	GG	US- 5,868,669	02-09-1999	lliff	
	НН	US- 5,879,163	03-09-1999	Brown et al.	
	Ш	^{US-} 5,883,370	03-16-1999	Walker et al.	
	JJ	US- 5,924,074 A	07-13-1999	Evans	
	KK	^{US-} 5,946,646	08-31-1999	Schena et al.	
	LL	^{US-} 5,951,300	09-14-1999	Brown	
	ММ	^{US-} 5,954,641	09-21-1999	Kehr et al.	
	NN	US- 6,018,713	01-25-2000	Coli et al.	
	00	US- 6,021,202	02-01-2000	Anderson et al.	
	PP	US- 6,024,699 A	02-15-2000	Surwit et al.	
	QQ	^{US-} 6,026,363 A	02-15-2000	Shepard	
	RR	^{US-} 6,047,259 A	04-04-2000	Campbell et al.	
RWM	SS	^{US-} 6,055,333 A	04-25-2000	Guzik et al.	

		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁵
	Π			-		
	UU					厂
	W			······································		Г
	ww					
	XX					
	YY				†	一

Eugender 1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		 	
Examiner	1/ 1/ -	100	Date	01/1
Signature	KANA	Maraga		Glilact
	NATIO	1149VJan	Considered	114104

*EXAMINER: tritial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not fin conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.usqto.gov or MPEP 901.04. *Senter Office that issued the document, by the two-tester code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. OO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

To PHATT

PTO/SB/08A (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

perwork/Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Co	mplete if Known	
Application Number	09/440,557	
Filing Date	November 15, 1999	`\
First Named Inventor	Randolph B. Lipscher	1
Art Unit	3626	,
Examiner Name	Robert W. Morgan	
Attorney Docket Number	1039-0010	

Examiner	Cite	Dogument Number		DOCUMENTS	T. Oaks California Management
nitials*	No.	Document Number Number-Kind Code ^{2 (f Innown)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
RWM	A3	^{US-} 6,073,097 A	06-06-2000	Gould et al.	
	В3	^{US-} 6,073,375	06-13-2000	Fant et al.	
	СЗ	US- 6,085,752	07-11-2000	Kehr et al.	
	D3	US- 6,090,044	07-18-2000	Bishop et al.	
	E3	^{US-} 6,108,635	08-22-2000	Herren et al.	
	F3	^{US-} 6,113,540	08-05-2000	Hiff	
1	G3	^{US-} 6,132,218 A	10-17-2000	Benja-Athon	
	Н3	US- 6,209,095 B1	03-27-2001	Anderson et al.	
	13	^{US-} 6,248,063 B1	06-19-2001	Barnhill et al.	
	J3	^{US-} 6,298,348 B1	10-02-2001	Eldering	
	К3	^{US-} 6,317,789	11-13-2001	Rakavy et al.	
	L3	^{US-} 6,385,592	05-07-2002	Angles et al.	
	МЗ	^{US-} 6,609,200 B2	08-19-2003	Anderson et al.	
	N3	US- 6,678,669 B2	01-13-2004	Lapointe et al.	
	О3	US- 2001/0023419 A1	09-20-2001	Lapointe et al.	
	P3	US- 2001/0032099 A1	10-18-2001	Joao	
	Q3	US- 2002/0049612 A1	04-25-2002	Jaeger et al.	
	R3	^{US-} 4,858,121	08-15-1989	Barber et al.	
RWM	S3	US- 5,992,890	11-30-1999	Simcox	1

		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ "Kind Code ³ (if known)	MM-DD-YYYY	;	Or Relevant Figures Appear	T⁵
	ITT					
_	υυ					
	W					Г
	ww			-		
	XX					
	YY					

Examiner	///	Ω	Date	ia I	
Signature	Kalent	// // ^			Milled
Congruence C	run rent	11092602	Can	nsidered	71 41 01

*EXAMINER: Initial if reference considered, whether pl not citation is in conformance with MPEP 609. Draw line through citation if not in donformance and not considered. Include copy of this form with next comfunication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

a nulmakate PeperwentitiBustuction Act of 1995, no persons a	re required to respond to a collection	of Information unless it contains a valid OMB control number. Complete if Known
Substitute for forth 1449/PTO	Application Number	09/440,557
INFORMATION DISCLOSURE	Filing Date	November 15, 1999
STATEMENT BY APPLICANT	First Named Inventor	Randolph B. Lipscher
(Use as many sheets as necessary)	Art Unit	3626
(Use as many sireus as necessary)	Examiner Name	Robert W. Morgan
Sheet 4 of 4	Attorney Docket Number	1039-0010

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
RWM	А3	GORZALCZANY, M. B.; GRADZKI, P., Computational intelligence in medical decision support a comparison of two neuro-fuzzy systems, Industrial Electronics, 1999. ISIE '99. Proceedings of the IEEE International Symposium on, Volume:1, 1999, Page(s): 408-413, vol. 1.	1
	В3	·	
	СЗ		
	D3	to Mind on	
	E3		
	F3		
	G3	TW SPECIAL C	
	нз		
	13	•	
	J3		

Signature Through Considered ////	Examiner Signature	Robert	W.	1 / 17 - 1 / 1/ 5	Date Considered	9/4	1/04	
-----------------------------------	-----------------------	--------	----	-------------------	--------------------	-----	------	--

*EXAMINER: Initial if reference considered, whether or not citation is no conformance with MPEP 609. Draw line through citation if not in conformance and not

^{*}EXAMINER: Initial if reference considered, whether or not citation is conformance with MPEP 609. Draw line through citation if not in/conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional): 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.